

Converting Colors

$Yxy(67.3539, 0.2942, 0.4738)$

Have a look what the booklet for
Yxy(67.3539, 0.2942, 0.4738)
contains.

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Color

Yxy(67.3286, 0.2943, 0.4737)

Conversions

Conversions Part 1

Format	Color
Hex	6EF085
RGB	110, 240, 133
RGB Percent	43%, 94%, 52%
CMY	0.5683, 0.0588, 0.4785
CMYK	0.54, 0.00, 0.45, 0.06
HSL	131°, 81%, 69%
HSV	131°, 54%, 94%
XYZ	41.8299, 67.3286, 32.9750
YIQ	188.9320, -43.1330, -60.8370

Conversions

Conversions Part 2

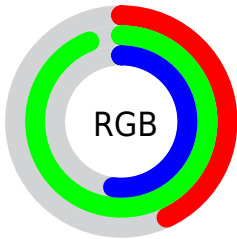
Format	Color
RYB	110, 220, 240
Decimal	7270533
CIELab	85.67, -57.91, 40.98
CIELCh	86, 70.944, 144.712
Yxy	67.3286, 0.2943, 0.4737
Android (android.graphics.Color)	4285460613 (0xFF6EF085)
YUV	188.9320, -27.5745, -69.2234
Hunter-Lab	82.0540, -52.5980, 33.6110

Details

The Yxy color **67.3286, 0.2943, 0.4737** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.7069, 0.3414, 0.2192**, and the grayscale version is **51.0381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6539, 0.2992, 0.4083**, and **34.9533, 0.2856, 0.5153** is the 20% darker color. If you saturate the color by 10%, you get **65.4977, 0.2927, 0.5045**, and if you desaturate by 10%, it is **69.6847, 0.2968, 0.4426**.

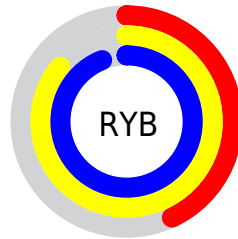
Distribution



Red (43%)

Green (94%)

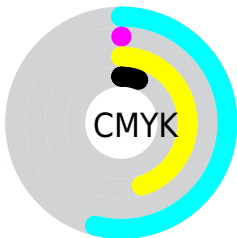
Blue (52%)



Red (43%)

Yellow (86%)

Blue (94%)

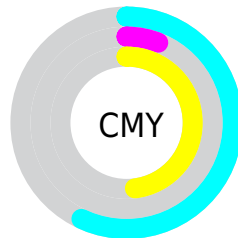


Cyan (54%)

Magenta (0%)

Yellow (45%)

Black (6%)



Cyan (57%)


Magenta (6%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3286, 0.2943, 0.4737 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 67.3286, 0.2943, 0.4737 by changing the saturation by 10% instead.


 67.3286, 0.2943,
0.4737


 67.3286, 0.2943,
0.4737


451.1135, 0.3062,
0.4006


 49.3517, 0.2906,
0.4918


 115.3911, 0.2992,
0.4472

 34.8986, 0.2854,
0.5149


 146.2456, 0.3009,
0.4372

 23.5847, 0.2779,
0.5450


 182.1613, 0.3022,
0.4287

 15.0259, 0.2663,
0.5856

223.5228, 0.3033,
0.4215

 8.8375, 0.2474,
0.6424

270.7143, 0.3042,
0.4152

 4.6354, 0.2198,
0.7435

324.1204, 0.3050,

 2.0350, 0.1036,

0.4097

0.8964

384.1253, 0.3056,
0.4049

0.6277, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.3286, 0.2943,
0.4737

67.3286, 0.2943,
0.4737

65.4977, 0.2927,
0.5045

69.6847, 0.2968,
0.4426

64.1435, 0.2922,
0.5333


72.5937, 0.3000,
0.4127


63.2222, 0.2929,
0.5581

76.0911, 0.3036,
0.3849

62.6781, 0.2948,
0.5773

80.2071, 0.3074,
0.3598

 62.4881, 0.2960,
0.5857

 84.9698, 0.3112,
0.3374

 90.4054, 0.3149,
0.3178

 90.7986, 0.3134,
0.3146

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.3286, 0.3766, 0.4889



67.3286, 0.2943, 0.4737



67.3286, 0.2215, 0.3949

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3286, 0.2943, 0.4737



67.3286, 0.1848, 0.2034



67.3286, 0.4690, 0.3269

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.3286, 0.2943, 0.4737



34.7069, 0.3414, 0.2192

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.3286, 0.4018, 0.2700



67.3286, 0.2943, 0.4737



67.3286, 0.2341, 0.2023

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.3286, 0.2943, 0.4737



67.3286, 0.1657, 0.2341



67.3286, 0.3117, 0.2260



67.3286, 0.4836, 0.3891

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.3286, 0.2943, 0.4737



67.3286, 0.1882, 0.3300



67.3286, 0.3117, 0.2260



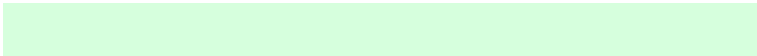
67.3286, 0.4515, 0.3070

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.3314, 0.2943, 0.4737



91.0878, 0.3067, 0.3644



78.4044, 0.3750, 0.4667



19.2812, 0.3059, 0.3695



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3314, 0.2943, 0.4737



74.9757, 0.2926, 0.5078



69.6553, 0.2634, 0.3851



17.7019, 0.3092, 0.3490



34.2214, 0.2955, 0.5837



2.8597, 0.2894, 0.5617

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.7069, 0.3414, 0.2192



33.9249, 0.3490, 0.2023



32.0052, 0.4175, 0.2825



15.9808, 0.3165, 0.3098



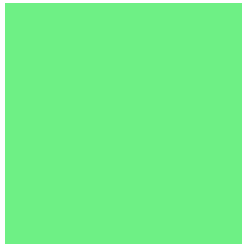
12.3826, 0.3712, 0.1819



1.0425, 0.3634, 0.1776

Previews

White Background



This preview shows how the Yxy color 67.3286, 0.2943, 0.4737 looks on a white background.

Color Contrast Check

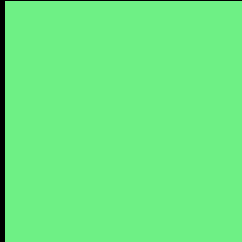
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 67.3286, 0.2943, 0.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

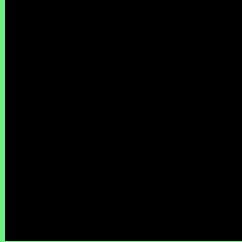
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3286, 0.2943, 0.4737

Background



This preview shows how black text looks on a background with the Yxy color 67.3286, 0.2943, 0.4737.



This preview shows how white text looks on a background with the Yxy color 67.3286, 0.2943, 0.4737.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.3286, 0.2943, 0.4737

Protanopia

66.3422, 0.3917, 0.4262

Deuteranopia

65.9249, 0.4013, 0.3920



Tritanopia

66.9340, 0.2499, 0.3073

Trichromacy



Original Color

67.3286, 0.2943, 0.4737



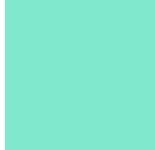
Protanomaly

64.9990, 0.3493, 0.4455



Deuteranomaly

63.5324, 0.3549, 0.4208



Tritanomaly

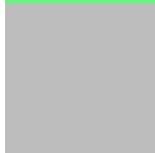
66.6621, 0.2663, 0.3648

Monochromacy



Original Color

67.3286, 0.2943, 0.4737



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.4499, 0.3037, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3286, 0.2943, 0.4737 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(110, 240, 133)` looks like.

```
.text, #text, p{  
    color:rgb(110, 240, 133)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(110, 240, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 240, 133) }
```

Border

The CSS property to change the border of an element to Yxy 67.3286, 0.2943, 0.4737 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 240, 133) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(110, 240, 133) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(110, 240, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 240, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 240, 133);  
box-shadow:4px 4px 4px 4px rgb(110, 240,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3286, 0.2943, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 240, 133) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(110,  
240, 133) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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